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that are shallow, that is where the top soil is 5 to 7 inches, the iron plow cannot work so successfully as the wooden plow. It goes too deep and brings up the raw infertile soil which destroys the field for many years. The wooden plow does not turn the furrow over but leaves it in the place, thus the field is plowed without bringing to the surface the subsoil. The farmers think the iron plow poisons the soils of this kind and never use an iron plow on such soils but only a wooden one. The fields for wheat seed are plowed from 3 to 7 times before seeding. It has been a custom to plow the same field as many times as possible. The common expression is: "The more you work the soil the more you get." This is of course a general principle and does not hold true under all conditions.

Manure is seldom applied since almost all of it is used as fuel. Each farmer on the average has 4 animals and they are in pasture all day the year around. What little manure he gets he uses for fuel.

Chemical fertilizers are too expensive and the farmer is not acquainted with them. He still talks about them as "fine soil filled in sack and colored with lime."

They understand well the importance of manure but /60/ cannot afford to use it for their fields. One of the outstanding problems which is that of a fuel to substitute for dried manure should be attacked first before trying to do anything with farming. The productivity of the land is decreasing year after year. The humus, what little there is, is depleted and the fields need it in order to continue cultivating them. In one survey, I found out that 92% of the manure is used as fuel and only 8% is applied to the fields. This study also revealed that by applying the manure to the field the increased production buys 2 1/2 times as much fuel of lignite coal. After proving to them the importance of the manure they were convinced of the profit in buying lignite coal, but a special stove so constructed as to fulfil the needs of a farm family was not discovered.

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